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Sep 57

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(DC-5965)

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7 pp. OFFICIAL USE ONLY

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JPRS 1804

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pp 78-87.

SIA 2314

Sci - Min/Metals

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Sonic and Ultrasonic Degassing of Aluminum (and its Alloys), by Th. Rummel, W. Esmarch, and K. Beuther, 11 pp.

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FRENCH, per, Compt. Rend.
Vol CCL, pp 4352-4354, 1960
AEC ANL-TT-166

Sci-Phys
Sept 65

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63-18930

Espe, Werner.

**FERRITIC CHROMIUM ALLOY STEELS FOR
VACUUM-TIGHT GLASS-TO-METAL SEALS. [1963]**

47p. (figs. omitted) 31 refs.

Order from SLA \$4.60

63-18930

1. Espe, W.

Trans. of Vakuum-Technik (West Germany) 1955, v. 4,
no. 4/5, p. 82-100.DESCRIPTORS: *Adhesives, *Vacuum seals, *Steel,
Chromium alloys, Iron alloys, *Seals (Stoppers).

The CrFe alloys used for glass-to-metal seals have a chromium content of 17-30%, Mo, Nb, Ti, Ta, or Si -- depending on the maker -- being added to the low-chrome alloys to improve their structural stability and make the material easier to machine. The formation of vacuum-tight seals between wires, rods, rings, caps, etc. and ordinary soft industrial glasses is relatively simple, since the alloy: (1) -- as distinct from Kovar -- (Materials--Sealants, TT, v. 10, no. 11) (over)

Office of Technical Services

61-16158

1. Espe, W.

Espe, Werner.
THE PERMEABILITY OF GASES THROUGH INDUS-
TRIAL GLASSES (O Prípustnosti Plynov Technických
Skel). [1961] [11]p. (foreign text included) 11 refs.
Order from SLA \$1.60 61-16158

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(Czechoslovakia) 1958, v. 9, no. 4, p. 240-246.

DESCRIPTORS: Gases, Permeability, *Heat resistant
glass, Gas diffusion, Ceramic materials.

Data obtained from English technical literature are
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Office of Technical Services

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Glass as Materials in High Vacuum Technique,
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Sci Q- M/M
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Another trans. is available from SLA \$1.60 as
61-16158 [1961] [11p].

DESCRIPTORS: Gases, Permeability, *Heat resistant
glass, Gas diffusion, Ceramic materials.

Data obtained from Western technical literature are
presented.

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1955, pp 51-64. CIA 9036662

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In Cow Houses by H. Espersen.

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62-18839

Espig, H.

THE SYNTHESIS OF EMERALDS. [1962] [24]p. 6 refs.
Order from SLA \$2.60 62-18839

1. Espig, H.

Trans. of Chem[ische] Techn[ik] (East Germany) 1960,
v. 12, no. 6, p. 327-331.

DESCRIPTORS: *Synthetic gems, *Deryl, Synthesis,
Crystal growth, Zirconium compounds, *Titanium
compounds, Silicates, Garnets.

A method is described for synthesizing emerald in
crystals up to 2 cm size suitable for polishing of stones
of 1 carat. The basic principles of this method which
was carried out for the first time in Bitterfeld in 1929
is described here and the technical advances, as
compared to the previous process, described, in
particular, the semi-technical method most recently
used. The properties of the synthetic emerald were
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Flora and Phytogeography of the Paramo,
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Sci - Phys

Apr 59

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Use of P In a Study of Plant Assimilation of
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Soil and Whether or not it is Combined with Nitrogen,
by A. Issafi, J. Cline, et al., 12 pp.

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Mar 2, 1962, pp 443-450, 1962.

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The Synthesis of a Number of Derivatives Based on
2,4-Dichloro-2-Butene. Synthesis and Properties
of 2-Chloro-4-Mercapto-2-Butene, by A. L.
Klebanskiy, G. T. Esayan, 4 pp.

Full tr

RUSSIAN, no par, Zhur Obshch Khim, Vol XXVI, No 1,
1956, pp 239-242. CIA 9000404 C, Reel No 21

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Sep 56 CTS

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The Mechanism of Action of System. Animal-experimentation Investigations After Blockade of the Reticuloendothelial System, by A. F. Essellier, K. F. Wagner, 14 pp.

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Nov 56 CTS

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The Solubility of Magnesium in Cast Iron, by M. A.
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The Synthesis of Trisidodotrimine Complexes of Pt With
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PL-43C

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Preparation of Potassium Nitrodi chloromonocamino-
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Full tr

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No 6 p 835.

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Tetravalent Platinum With Five and Six
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4 pp.

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Preparation of Complex Compounds of Quadrivalent
Platinum with Six Different Inner Sphere Sub-
stituents, by L. N. Essen, and A. D. Gel'man, 13 pp

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Sci - Min/Met

Apr 60

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"THE DIVINE HERB" CLINICAL AND EXPERI-
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1962, 19p.

Order form K-H \$28.75

K-H-5538-b

Trans. of Academia Clinica-Scientifica (Brazil) 1956,
v. 25, no. 2, p. 35-40.

DESCRIPTION: *Tobacco, Medical research, *Smokes

(Biological Sciences: Physiology, TT, v. 7, no. 12)

62-12754

- I. Title: Divine Herb
- I. Esseberg, J. M.
- II. K-H-5538-b
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Detroit, Mich.

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Remarks on Research Studies in Flames of Coal
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Vol. V, No. 59, 1957, pp 1-13.

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Scientific - Geophysics
Jan 56 CTS/Dex

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Tentative Interpretation of the Air Movement Over
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Sci - Geophysics

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The Armored Combat Vehicles Used by Our Enemies, by
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GOVERNMENT USE ONLY

GERMAN, rpt, Die Panzerkampfwagen Unserer Gegner.

Paper Delivered in the "Armored Vehicle" Series Given
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Group, Association of German Engineers, 3 Dec 1942.

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The Latest Armored Vehicles, by Esser, 12 pp.

GOVERNMENT USE ONLY

GERMAN, rpt, Neuzeitliche Panzerkampfwagen, 7 Feb 1945.

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July 72

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Esser, H. and Heinzler, F.
CLINICAL EXPERIENCES WITH A NEW SEDATIVE
AND HYPNOTIC. [1962] 7p. (refs. formula omitted).
Order from SLA \$1.10 62-18890

I. Title: K-17
I. Esser, H.
II. Heinzler, F.

Trans. of Therapie der Gegenwart (Germany) 1956,
v. 95, p. 374-376.

DESCRIPTORS: *Thalidomide, *Drugs, *Hypnotics and
sedatives, Piperidines, Sleep, Toxicity, Pharmacology,
Hyperthyroidism, *Addiction, Phenyl radicals,
Imides.

The results of clinical tests with K 17, a drug dis-
tinguished by complete absence of toxicity in animal
experiments, may be summed up in the statement that
the substance has proved beneficial as a sedative and
hypnotic, as well as in the treatment of thyrotoxicosis.
Apart from some constipation in bed patients, no other
(Biological Sciences--Pharmacology. TT, v. 9, no. 7)
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Office of Technical Services

Inhibition and Reversal ~~in~~ of the Epinephrine
Hypertension in Man, by A. Bernheimer, H. M.
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Apr 57

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34 refs.

Order from SLA \$1.60

61-18556

Trans. of Archiv [für] d[as] Eisenhüttenwesen
(Germany) 1940 [v. 14] Nov, p. 223-231.

DESCRIPTORS: Copper, Brass, Aluminum, Steel,
Metals, *Sheets, *Drawing (Machine processing),
Test methods, Test equipment.

The work was carried out to investigate the influence
of blank thickness, drawing clearance, and punch
profile radius on deep-drawing, and to use the results
for developing a cupping test method which will give
comparative figures for drawing capacity depending
only upon the properties of the material. In addition,
the influence of the blank-holding pressure and of
(Machinery--Manufacturing, TT, v. 6, no. 11) (over)

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I. Esser, H.
II. Arend, H.

Office of Technical Services

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Scientific - Minerals/Metals

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Peptides, and Proteins of Torula Cells Within a Given
Time, by F. Tute, H. Esser, 20 pp.

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Sci - Engineering
Oct 58

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Protein Synthesis in Yeast Cells, by Dr Fritz
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A 2054

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Supporting Structures, Symmetrical
to the Vertical Axis and Presenting
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WILHELM ESSEK.

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Wilhelm Esser

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Mar 16

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GERMAN, (Statische Berechnung von Kesselboden. bk,
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Static Calculation of Boiler Bottoms, by Maria
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GERMAN, bk, Statische Berechnung Von Kesselboden,
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Sci - Engineering
Apr 57 CTS/dex

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ESSMANN, F.

Metallwirtschaft, vol. 17, 3 figures, 1 table,
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Electron Microscope Investigation of Defect
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*NBS TT 70-57501

Sci-Stat

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U. Essmann

On the Formation of Large-angle Grain Boundaries
During Deformation of Metal Single Crystals, by
S. Durr, U. Essmann.
GERMAN, per. Theoretical Solidi, Vol 4, 1964,
pp 143-149.
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Progressive Norms for the Chemical and Oil Refining
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Dec 64

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Discharge Coefficient of Standard Nozzles and
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CHURCH, per, Zt fuer Physik, Vol. XXXVIII, No. 13,
1 Oct 1937, pp 748-758.

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Photoelectric Method for Investigation of Grain Mixtures
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GERMAN, Source unknown.

USA Corps of Engr, Waterways Exper Sta Tr. 37-10

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

Available on loan at Research Center Library

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Baterka, F. and Borisek, R.
THE EFFECT OF LIGNOSULFONIC COMPLEX ON
COLLOIDAL AND RHEOLOGICAL PROPERTIES OF
THE BENTONITE SUSPENSION (Vplyv Ligninsulfono-
voho Komplexu na Koloidne a Reologicke Vlastnosti
Bentonitovej Suspenzie). [1962] [18]p. (Foreign text
included) 20 refs.
Order from SLA \$1.60

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Trans. of Chemicals Zvesti (Czechoslovakia) 1956,
v. 10, no. 10, p. 604-611.

DESCRIPTORS: *Bentonite, Clays, Tannic acids,
Phenols, Polymers, Stabilization, *Colloids,
*Sulfonic acids, *Lignin, Viscosity, Deformation.

A theory of the organic dispersing agent in the bento-
nite suspension is developed. There was studied and
verified the constitution of the lignine-complex which
was isolated from the sulfite waste liquor in a
(Chemistry--Physical, TT, v. 8, no. 9) (over)

I. Title: Quebracho
I. Baterka, F.
II. Borisek, R.

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Formation of Precipitates by Molecular Beams, by
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The People of Southwestern Angola, by
Charles H. Johnson, 10 pp.
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pp 21-36, 19-36, 35-73.
DPR 21620

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Feb 66

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Monochromatization of the De Broglie-Radiation of
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A New Method for Measuring the Intensity of Molecular
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Sci - Phys

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